



# **CITY OF HAYWARD**

## **AGENDA REPORT**

AGENDA DATE 02/22/00

AGENDA ITEM 2

WORK SESSION ITEM \_\_\_\_\_

**TO:** Mayor and City Council

**FROM:** Director of Public Works

**SUBJECT:** Walpert 250 Booster Pump Station and Walpert 250/500 Water Main – Approval of Addenda No. 1 and No. 2, Award of Contract, and Reimbursement from Future Borrowing

### **RECOMMENDATION:**

It is recommended that the City Council approve the attached resolution that:

1. Approves Addenda N°. 1 and N°. 2;
2. Awards the construction contract for the Walpert Pump Station and Water Main to the lowest responsible bidder, Conco West, Incorporated, in the amount of \$3,507,000; and
3. Declares intent to reimburse expenditures from future borrowing for the project.

### **BACKGROUND/DISCUSSION:**

On November 23, 1999, the City Council approved the project plans and specifications for the subject project and called for bids to be received on January 25, 2000. The bid opening date was extended one week to February 1, 2000 by Addendum N° 1.

Water service to the Hayward hills consists of four pressure zones that are served by a series of storage tanks and booster pump stations. The system is collectively referred to as the Highland Chain. The lower part of the chain is aging and is somewhat outdated. Size, reliability issues, and having adequate quantity and pressure to feed pump stations at higher elevations have become increasingly important concerns.

The Walpert 250 Booster Pump Station and Walpert 250/500 Water Main Project will improve reliability, both for daily operations and for emergencies. The project addresses specific recommendations of the Master Plan to improve the Highland chain's capability and reliability.

Another important benefit of the project will be water quality improvement. Water stored in the South Walpert Reservoir currently has a low turn over (stays in the tank a long time). The Walpert Booster Pump Station will pump water from this large tank directly into Highland Chain, hence improving water quality.

Installation of the pipeline along Second Street and Campus Drive will significantly impact traffic flow during construction. Since Second Street is too narrow to allow construction and two-way traffic, the contractor must close a portion of the uphill lane of Second Street during work hours to create a work area. Each day, closure will be limited to a maximum length of 200 feet and radio equipped workers will control traffic at each end of the construction zone.

Fortunately, Campus Drive is wide enough to maintain one lane of traffic in both directions while the pipeline is being constructed, which will minimize impacts during this portion of the work. Several specific measures are also being taken to reduce traffic impacts. Pipeline construction is to occur during mid-June to early September to avoid school and university traffic. Working at night was considered, however, that would cause further safety concerns, with a longer project duration, as well as noise impacts to the residential area along Second Street and, therefore, is being avoided. An intensive public information program is planned to include newsletters to residents, which will also be posted on the City's Homepage, informational signage, and an information phone line similar to the measures used on the B Street Improvement project.

During design it was determined that the best layout and access to the new pump station site required purchase of a 50-foot strip owned by Caltrans that abuts the southern City property line. In February 1999 Council authorized acquisition of this approximate 0.33-acre site from Caltrans. Since then Caltrans has made an offer to the City to sell the land for \$15,000. The process of transferring ownership to the City of Hayward has been completed except for approval by the California Transportation Commission who will consider this sale during its March meeting.

Addendum No 1 extended the bid period by one week. Addendum No 2 clarified bidder's questions, provided for a staging area and grading on Caltrans property to eliminate costly sheet piling, and added specifications and design adjustments suggested by the consultant. Due to the large volume, Addenda No. 1 and No. 2 are not attached to this report. They are, however, available for inspection in the Office of the City Clerk.

Ten bids were received on February 1, 2000, ranging from \$3,507,000 to \$4,386,500. The Engineer's estimate was \$3,850,000. Five of the bids were above this estimate and five were below. The low bid of \$3,507,000 submitted by Conco West, Inc., is 9 percent less than the Engineer's Estimate. The second low bid, submitted by C. Overaa & Company in the amount of \$3,509,000, is also about 9 percent lower than the engineer's estimate.

The Disadvantaged Business Enterprise (DBE) and Women Business Enterprise (WBE) goals for this project was established at 11 percent combined DBE/WBE. The low bidder proposes to utilize 11.4 percent combined DBE/WBE. The commitment by other bidders ranged from 2 to 22 percent. The average of all commitments was 12.6 percent.

#### **PROJECT COST:**

The estimated cost for the project is:

Construction Cost	\$3,507,000
Design and Administration	540,000
Land Acquisition	15,000
Inspection and Construction Surveys	<u>150,000</u>
<b>Total</b>	<b>\$4,212,000</b>

## FUNDING:

A total of \$4,750,000 has been approved for these two projects in the Water System Capital Improvement Fund of the 1999/2000 Capital Improvement Program. A total of \$1,656,000 is projected to be reimbursed from Walpert Ridge developer contributions toward these two projects. As indicated earlier in this report, the proposed project is intended to substantially improve the operational capability and reliability of the Highland Chain. Additionally, it will greatly improve water quality in the South Walpert Reservoir. Consequently, since the existing system users will receive the majority of benefit from the system improvements, the existing system users will bear a substantial portion of the cost. As calculated in the specific system study prepared for Walpert Ridge, the dollar amount of reimbursement is proportional to the benefit Walpert Ridge properties will receive from these improvements.

In addition staff is recommending the issuance of revenue bonds to fund the Walpert Project. Staff anticipates that the financing will be completed towards the latter part of March or early April of this year. Since the contract for the project will be awarded prior to the financing it is necessary for the City Council to adopt a "reimbursement resolution." The reimbursement resolution will allow the City to be reimbursed from the proceeds of borrowing for any costs incurred prior to the financing. Approval of the attached reimbursement resolution provides for reimbursements of costs only; it does not authorize the issuance of debt. Staff will return at a later date to seek Council's authorization to issue revenue bonds to finance the Project.

## SCHEDULE:

The following schedule has been developed for this project:

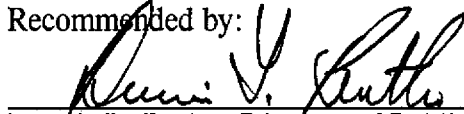
Award Construction Contract	February 22, 2000
Begin Construction	March 20, 2000
Construction completion	March 20, 2001

Prepared by:



Alex Ameri, Deputy Director of Public Works/Utilities

Recommended by:



Dennis L. Butler, Director of Public Works

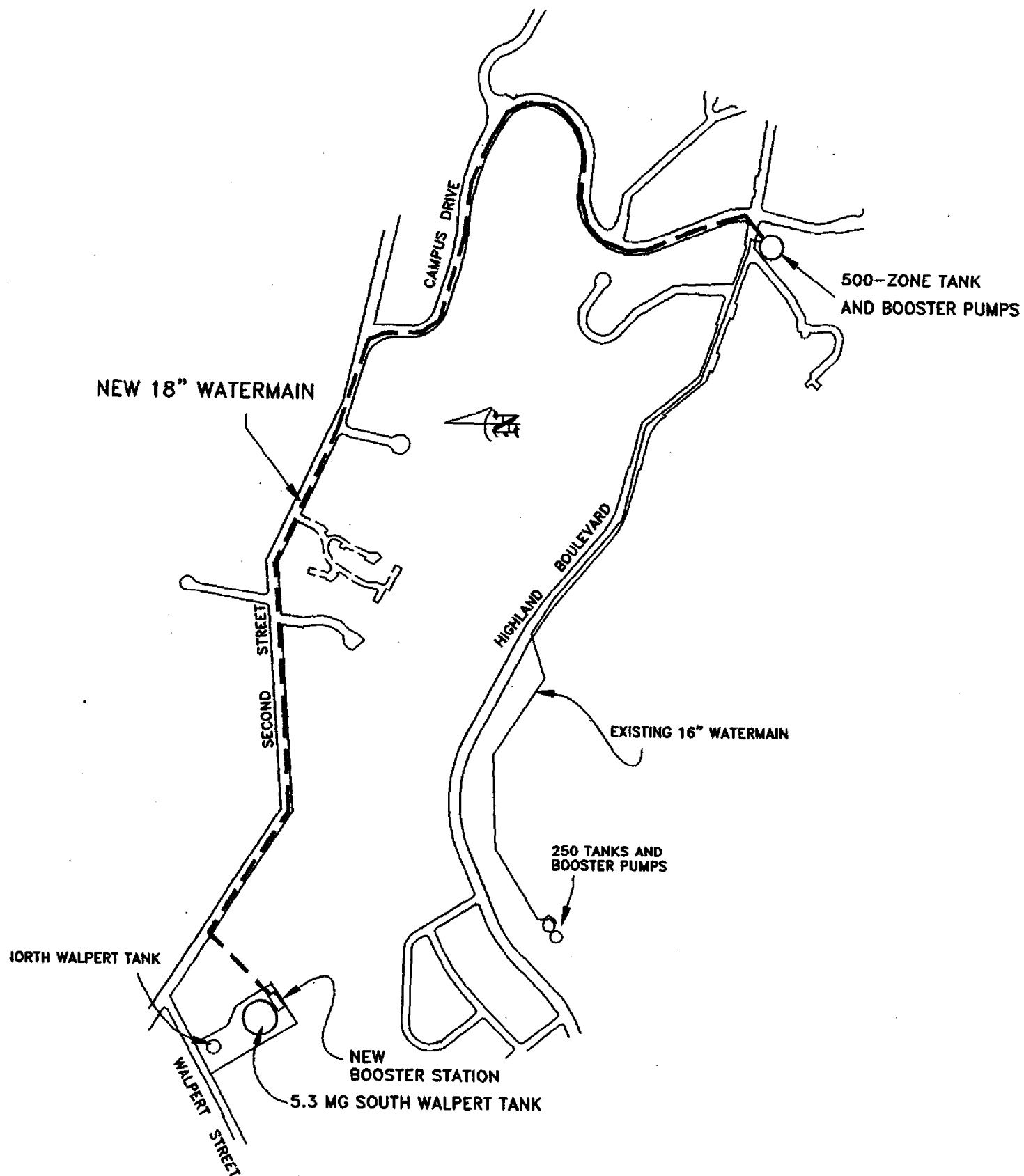
Approved by:



Jesús Armas, City Manager

Attachments:

- Exhibit A: Project Location Maps
- Exhibit B: Bid Summary



Project Location Map

Exhibit A

CITY OF HAYWARD  
 WALPERT 250 BOOSTER PUMP, 250/500 WATER MAIN  
 PROJECT NO. 7105, 7123  
 BIDS OPENED: FEBRUARY 2, 2000  
 (NUMBER OF BIDS RECEIVED - 10)

BID SUMMARY				ENGINEER'S ESTIMATE		CONCO WEST, INC. P.O. BOX 1360 MANTECA, CA 95336 (209) 239-2110		C. OVER, 200 PARI RICHMOI (510) 234
ITEM	QUANTITY	UNIT		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PR
1	1	LS	MOBILIZATION	88,000.00	88,000.00	75,000.00	75,000.00	150,00
2	1	LS	PAVING & LANDSCAPING	49,000.00	49,000.00	52,000.00	52,000.00	30,00
3	1	LS	EARTH WORK	44,000.00	44,000.00	190,000.00	190,000.00	160,00
4	1	LS	STRUCTURAL & ARCHITECTURAL WORK	471,000.00	471,000.00	750,000.00	750,000.00	355.50
5	1	LS	MECHANICAL WORK	388,000.00	388,000.00	400,000.00	400,000.00	650,00
6	1	LS	ELECTRICAL/ INSTRUMENTATION	418,000.00	418,000.00	465,900.00	465,900.00	550,00
7	1	LS	PUMPS	173,000.00	173,000.00	105,000.00	105,000.00	230,00
8	1	LS	STANDBY GENERATOR	206,000.00	206,000.00	150,000.00	150,000.00	125,00
9	1	LS	SOUTH WALPERT RESERVOIR MODIFICATIONS	55,000.00	55,000.00	25,000.00	25,000.00	30,00
10A	7500	LF	WALPERT 250/500 WATER MAIN DUCTILE IRON PIPE	190.00	1,425,000.00	132.00	990,000.00	12
10B	7500	LF	WALPERT 250/500 WATER MAIN STEEL PIPE	190.00	1,425,000.00		0.00	
11	1	LS	SHEETING, SHORING AND BRACING OR EQUIVALENT METHOD	116,000.00	116,000.00	10,000.00	10,000.00	10,00
12	1	LS	SITWORK AT 500 RESERVOIR	88,000.00	88,000.00	78,000.00	78,000.00	70,00
13	1	LS	TRAFFIC CONTROL	44,000.00	44,000.00	16,000.00	16,000.00	10,00
14	1	LS	MISCELLANEOUS WORK	85,000.00	85,000.00	100.00	100.00	1,00
15	1	LS	ADMINISTRATIVE CHANGE ORDER	200,000.00	200,000.00	200,000.00	200,000.00	200,00
			TOTAL BASE BID		3,850,000.00		3,507,000.00	

Exhibit B

CITY OF HAYWARD  
WALPERT 250 BOOSTER PUMP, 250/500 WATER MAIN  
PROJECT NO. 7105, 7123  
BIDS OPENED: FEBRUARY 2, 2000  
(NUMBER OF BIDS RECEIVED - 10)

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BID SUMMARY				ENGINEER'S ESTIMATE		DIAMOND OAKS CONST. P.O. BOX 30844 WALNUT CREEK, CA 94598 (925) 906-0590		N.V. HEATHORN, INC. 2846 CHAPMAN STREET OAKLAND, CA 94601 (510) 534-2943	
ITEM	QUANTITY	UNIT		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	MOBILIZATION	88,000.00	88,000.00	165,000.00	165,000.00	150,000.00	150,000.00
2	1	LS	PAVING & LANDSCAPING	49,000.00	49,000.00	80,000.00	80,000.00	60,000.00	60,000.00
3	1	LS	EARTH WORK	44,000.00	44,000.00	164,000.00	164,000.00	125,000.00	125,000.00
4	1	LS	STRUCTURAL & ARCHITECTURAL WORK	471,000.00	471,000.00	575,000.00	575,000.00	600,000.00	600,000.00
5	1	LS	MECHANICAL WORK	388,000.00	388,000.00	333,000.00	333,000.00	591,014.00	591,014.00
6	1	LS	ELECTRICAL/ INSTRUMENTATION	418,000.00	418,000.00	324,000.00	324,000.00	350,000.00	350,000.00
7	1	LS	PUMPS	173,000.00	173,000.00	220,000.00	220,000.00	150,000.00	150,000.00
8	1	LS	STANDBY GENERATOR	206,000.00	206,000.00	127,000.00	127,000.00	150,000.00	150,000.00
9	1	LS	SOUTH WALPERT RESERVOIR MODIFICATIONS	55,000.00	55,000.00	120,000.00	120,000.00	10,000.00	10,000.00
10A	7500	LF	WALPERT 250/500 WATER MAIN DUCTILE IRON PIPE	190.00	1,425,000.00	140.00	1,050,000.00	132.00	990,000.00
10B	7500	LF	WALPERT 250/500 WATER MAIN STEEL PIPE	190.00	1,425,000.00		0.00		0.00
11	1	LS	SHEETING, SHORING AND BRACING OR EQUIVALENT METHOD	116,000.00	116,000.00	40,000.00	40,000.00	90,000.00	90,000.00
12	1	LS	SITework AT 500 RESERVOIR	88,000.00	88,000.00	80,000.00	80,000.00	50,000.00	50,000.00
13	1	LS	TRAFFIC CONTROL	44,000.00	44,000.00	48,000.00	48,000.00	10,000.00	10,000.00
14	1	LS	MISCELLANEOUS WORK	85,000.00	85,000.00	20,000.00	20,000.00	50,000.00	50,000.00
15	1	LS	ADMINISTRATIVE CHANGE ORDER	200,000.00	200,000.00	200,000.00	200,000.00	200,000.00	200,000.00
			TOTAL BASE BID		3,850,000.00		3,546,000.00		3,576,014.00

CITY OF HAYWARD  
WALPERT 250 BOOSTER PUMP, 250/500 WATER MAIN  
PROJECT NO. 7105, 7123  
BIDS OPENED: FEBRUARY 2, 2000  
(NUMBER OF BIDS RECEIVED - 10)

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BID SUMMARY				ENGINEER'S ESTIMATE		McGUIRE AND HESTER 9009 RAILROAD AVENUE OAKLAND, CA 94603 (510) 632-7676		ALAN A. BRADFORD, INC. 4970 PEABODY ROAD FAIRFIELD, CA 94533 (707) 437-5484	
ITEM	QUANTITY	UNIT		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	MOBILIZATION	88,000.00	88,000.00	150,000.00	150,000.00	200,000.00	200,000.00
2	1	LS	PAVING & LANDSCAPING	49,000.00	49,000.00	50,000.00	50,000.00	100,000.00	100,000.00
3	1	LS	EARTH WORK	44,000.00	44,000.00	125,000.00	125,000.00	122,000.00	122,000.00
4	1	LS	STRUCTURAL & ARCHITECTURAL WORK	471,000.00	471,000.00	600,000.00	600,000.00	915,000.00	915,000.00
5	1	LS	MECHANICAL WORK	388,000.00	388,000.00	350,000.00	350,000.00	442,000.00	442,000.00
6	1	LS	ELECTRICAL/INSTRUMENTATION	418,000.00	418,000.00	410,000.00	410,000.00	394,000.00	394,000.00
7	1	LS	PUMPS	173,000.00	173,000.00	300,000.00	300,000.00	111,500.00	111,500.00
8	1	LS	STANDBY GENERATOR	206,000.00	206,000.00	200,000.00	200,000.00	212,000.00	212,000.00
9	1	LS	SOUTH WALPERT RESERVOIR MODIFICATIONS	55,000.00	55,000.00	50,000.00	50,000.00	55,000.00	55,000.00
10A	7500	LF	WALPERT 250/500 WATER MAIN DUCTILE IRON PIPE	190.00	1,425,000.00	160.00	1,200,000.00	125.53	941,500.00 *
10B	7500	LF	WALPERT 250/500 WATER MAIN STEEL PIPE	190.00	1,425,000.00		0.00		0.00
11	1	LS	SHEETING, SHORING AND BRACING OR EQUIVALENT METHOD	116,000.00	116,000.00	10,000.00	10,000.00	26,000.00	26,000.00
12	1	LS	SITWORK AT 500 RESERVOIR	88,000.00	88,000.00	75,000.00	75,000.00	85,000.00	85,000.00
13	1	LS	TRAFFIC CONTROL	44,000.00	44,000.00	25,000.00	25,000.00	52,000.00	52,000.00
14	1	LS	MISCELLANEOUS WORK	85,000.00	85,000.00	10,000.00	10,000.00	5,000.00	5,000.00
15	1	LS	ADMINISTRATIVE CHANGE ORDER	200,000.00	200,000.00	200,000.00	200,000.00	200,000.00	200,000.00
			TOTAL BASE BID		3,850,000.00		3,755,000.00		3,861,000.00

\* CORRECTED UNIT PRICE

CITY OF HAYWARD  
WALPERT 250 BOOSTER PUMP, 250/500 WATER MAIN  
PROJECT NO. 7105, 7123  
BIDS OPENED: FEBRUARY 2, 2000  
(NUMBER OF BIDS RECEIVED - 10)

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BID SUMMARY				ENGINEER'S ESTIMATE		JOHN CLAY GEN. ENG. CONT. 778 MARIN AVENUE HAYWARD, CA 94541 (510) 783-5820		AUBURN CONSTRUCTORS, INC. 730 WEST STADIUM LANE SACRAMENTO, CA 95834 (916) 924-0344	
ITEM	QUANTITY	UNIT		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	MOBILIZATION	88,000.00	88,000.00	151,830.00	151,830.00	150,000.00	150,000.00
2	1	LS	PAVING & LANDSCAPING	49,000.00	49,000.00	62,500.00	62,500.00	65,000.00	65,000.00
3	1	LS	EARTH WORK	44,000.00	44,000.00	128,016.00	128,016.00	150,000.00	150,000.00
4	1	LS	STRUCTURAL & ARCHITECTURAL WORK	471,000.00	471,000.00	770,000.00	770,000.00	1,215,000.00	1,215,000.00
5	1	LS	MECHANICAL WORK	388,000.00	388,000.00	293,580.00	293,580.00	500,000.00	500,000.00
6	1	LS	ELECTRICAL/ INSTRUMENTATION	418,000.00	418,000.00	407,940.00	407,940.00	400,000.00	400,000.00
7	1	LS	PUMPS	173,000.00	173,000.00	192,000.00	192,000.00	120,000.00	120,000.00
8	1	LS	STANDBY GENERATOR	206,000.00	206,000.00	263,420.00	263,420.00	120,000.00	120,000.00
9	1	LS	SOUTH WALPERT RESERVOIR MODIFICATIONS	55,000.00	55,000.00	161,800.00	161,800.00	20,000.00	20,000.00
10A	7500	LF	WALPERT 250/500 WATER MAIN DUCTILE IRON PIPE	190.00	1,425,000.00	143.00	1,072,500.00	110.00	825,000.00
10B	7500	LF	WALPERT 250/500 WATER MAIN STEEL PIPE	190.00	1,425,000.00		0.00		0.00
11	1	LS	SHEETING, SHORING AND BRACING OR EQUIVALENT METHOD	116,000.00	116,000.00	7,000.00	7,000.00	25,000.00	25,000.00
12	1	LS	SITWORK AT 500 RESERVOIR	88,000.00	88,000.00	52,290.00	52,290.00	35,000.00	35,000.00
13	1	LS	TRAFFIC CONTROL	44,000.00	44,000.00	6,000.00	6,000.00	46,000.00	46,000.00
14	1	LS	MISCELLANEOUS WORK	85,000.00	85,000.00	103,000.00	103,000.00	5,000.00	5,000.00
15	1	LS	ADMINISTRATIVE CHANGE ORDER	200,000.00	200,000.00	200,000.00	200,000.00	200,000.00	200,000.00
			TOTAL BASE BID		3,850,000.00		3,871,876.00		3,876,000.00



CITY OF HAYWARD

WALPERT 250 BOOSTER PUMP, 250/500 WATER MAIN

PROJECT NO. 7105, 7123

BIDS OPENED: FEBRUARY 2, 2000

(NUMBER OF BIDS RECEIVED - 10)

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BID SUMMARY				ENGINEER'S ESTIMATE		BAY PACIFIC PIPELINES, INC. P.O. BOX 1162 NOVATO, CA 94948 (415) 897-6958		G.S.E. CONSTRUCTION CO., INC. 1020 SHANNON COURT LIVERMORE, CA 94550 (925) 447-0292	
ITEM	QUANTITY	UNIT		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	1	LS	MOBILIZATION	88,000.00	88,000.00	180,000.00	180,000.00	381,000.00	381,000.00
2	1	LS	PAVING & LANDSCAPING	49,000.00	49,000.00	88,800.00	88,800.00	51,000.00	51,000.00
3	1	LS	EARTH WORK	44,000.00	44,000.00	108,019.20	108,019.20	158,000.00	158,000.00
4	1	LS	STRUCTURAL & ARCHITECTURAL WORK	471,000.00	471,000.00	598,866.00	598,866.00	578,000.00	578,000.00
5	1	LS	MECHANICAL WORK	388,000.00	388,000.00	280,156.00	280,156.00	264,000.00	264,000.00
6	1	LS	ELECTRICAL/ INSTRUMENTATION	418,000.00	418,000.00	454,151.50	454,151.50	406,000.00	406,000.00
7	1	LS	PUMPS	173,000.00	173,000.00	212,251.00	212,251.00	122,000.00	122,000.00
8	1	LS	STANDBY GENERATOR	206,000.00	206,000.00	239,040.00	239,040.00	168,000.00	168,000.00
9	1	LS	SOUTH WALPERT RESERVOIR MODIFICATIONS	55,000.00	55,000.00	212,251.20	212,251.20	130,000.00	130,000.00
10A	7500	LF	WALPERT 250/500 WATER MAIN DUCTILE IRON PIPE	190.00	1,425,000.00	163.40	1,225,500.00 *	207.00	1,552,500.00
10B	7500	LF	WALPERT 250/500 WATER MAIN STEEL PIPE	190.00	1,425,000.00		0.00		0.00
11	1	LS	SHEETING, SHORING AND BRACING OR EQUIVALENT METHOD	116,000.00	116,000.00	48,000.00	48,000.00	112,000.00	112,000.00
12	1	LS	SITEWORK AT 500 RESERVOIR	88,000.00	88,000.00	38,160.00	38,160.00	46,000.00	46,000.00
13	1	LS	TRAFFIC CONTROL	44,000.00	44,000.00	25,110.00	25,110.00	134,000.00	134,000.00
14	1	LS	MISCELLANEOUS WORK	85,000.00	85,000.00	54,800.00	54,800.00	84,000.00	84,000.00
15	1	LS	ADMINISTRATIVE CHANGE ORDER	200,000.00	200,000.00	200,000.00	200,000.00	200,000.00	200,000.00
			TOTAL BASE BID		3,850,000.00		3,965,104.90 *		4,386,500.00

\* TOTAL DIFFERENT THAN  
SUBMITTED BID

**DRAFT**

HAYWARD CITY COUNCIL

RESOLUTION NO. \_\_\_\_\_

Introduced by Council Member \_\_\_\_\_

RESOLUTION APPROVING ADDENDA NO. 1 AND NO. 2  
FOR THE WALPERT 250 BOOSTER PUMP STATION AND  
WATER MAIN, PROJECT NOS. 7105 AND 7123,  
AWARDING CONTRACT TO CONCO WEST, INC., AND  
DECLARING INTENT TO REIMBURSE EXPENDITURES  
FROM FUTURE BORROWING FOR THE PROJECT.

WHEREAS, on November 23, 1999, the City Council approved the plans and specifications for the Walpert 250 Booster Pump Station and Water Main, Project Nos. 7105 and 7123, and called for bids to be received on January 25, 2000; and

WHEREAS, Addendum No. 1 revised the bid opening date, and Addendum No. 2 clarified bidder's questions, provided for a staging area and grading on Caltrans property to eliminate costly sheet piling and added specifications and design adjustments suggested by the consultant; and

WHEREAS, staff anticipates that the contract for the project will be awarded prior to completion of the financing in March or April and has recommended the issuance of revenue bonds to fund the Walpert Project, necessitating a reimbursement resolution to allow the City to be reimbursed from the proceeds of borrowing for any costs incurred prior to the financing.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hayward that Addenda 1 and 2 is hereby approved and adopted as part of the plans and specifications for the project.

BE IT FURTHER RESOLVED that Conco West, Inc. is hereby awarded the contract for the Walpert 250 Booster Pump Station and Water Main Project, Project Nos. 7105 and 7123, in accordance with the plans and specifications adopted therefor and on file in the office of the City Clerk of the City of Hayward at and for the price named and stated in the bid of the hereinabove specified bidder, and all other bids are hereby rejected.

BE IT FURTHER RESOLVED that the City Manager is hereby authorized and directed to execute an agreement for the award of the contract on behalf of the City of Hayward, in an amount not to exceed \$3,507,000, in a form to be approved by the City Attorney.

BE IT FURTHER RESOLVED that the City Council of the City of Hayward hereby declares its intent to reimburse expenditures from future borrowing for the project

IN COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 2000

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: \_\_\_\_\_  
City Clerk of the City of Hayward

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney of the City of Hayward